



Display

Date: July 16, 2001

Subject: **WAVEFORM DISTORTION AFTER
 GAMMA MODIFICATION**

Model: *BVM-D24E1WE*, BVM-D24E1WU
BVM-D32E1WE, BVM-D32E1WU

Serial No: **2,000,001 AND HIGHER**

Italicized information in green applies to Europe, Middle East and Africa.

DESCRIPTION

CAUTION: The following modifications are applicable only to units which have been modified as described in technical bulletin 302001128.

When reducing the brightness in units which have been modified as described in technical bulletin 302001XXX, the following symptoms are visible. (See Figure 1.)

- Input color bars and reduce the BRIGHTNESS control.
Symptom: Left side of each color bar is slightly brighter.
- Set to blue only mode.
Symptom: Left side of bars brighten conspicuously.

To correct this condition, perform one of the following modification procedures, based on the part number silkscreened on the BK Board.

PARTS REQUIRED BK Board (1-674-655-XX)

Part No.	Description	Qty.
1-163-275-11	Cap, 1000 pF	3

PARTS REQUIRED BK Board (1-674-568-XX)

Part No.	Description	Qty.
1-216-295-00	Res, Chip, 0Ω	3
1-163-275-11	Cap, Chip, 1000 pF	3



Figure 1



**MODIFICATION PROCEDURE
BK Board (1-674-655-XX)**

Side B (See Figure 2.)

1. Remove three jumper combinations (jumper+22Ω resistor soldered together and covered by UL tubing) soldered between:
 - Collector of Q134 and IC131 pin 3
 - Collector of Q334 and IC331 pin 3
 - Collector of Q534 and IC531 pin 3
2. Solder three new 35 mm jumpers (AWG28) in same locations listed in step 1 above.

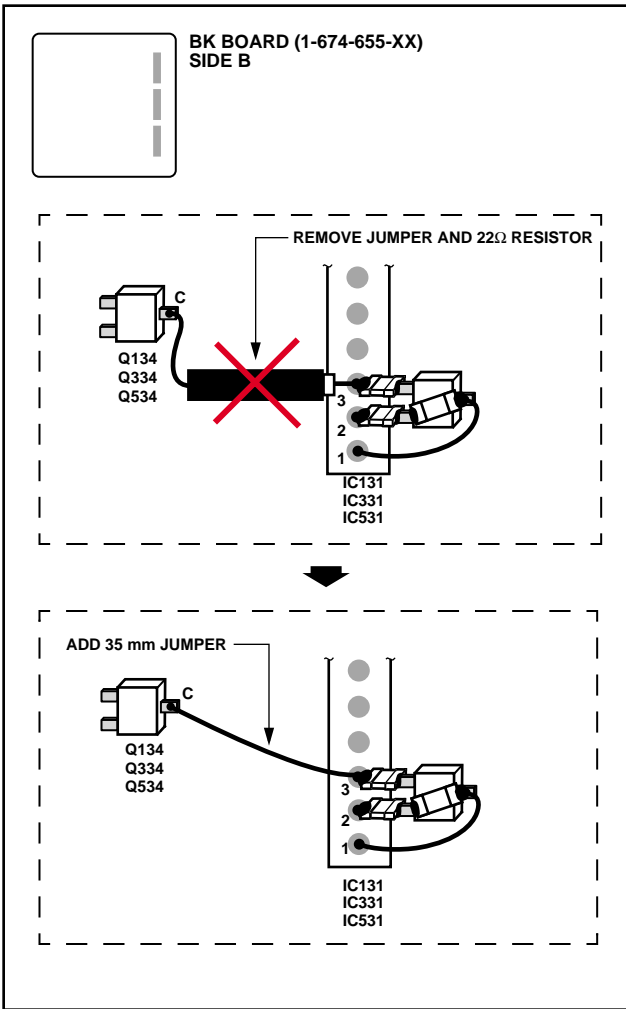


Figure 2

(See Figure 3.)

3. Solder new 1000 pF chip capacitors on top of C176, C376, and C576, respectively.

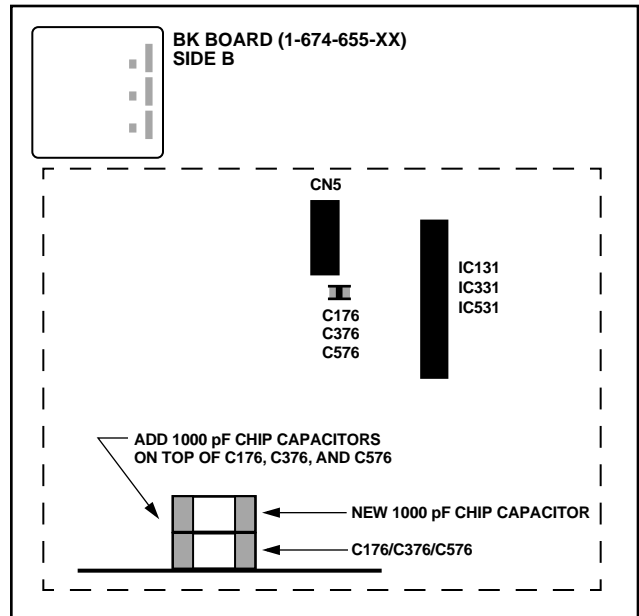


Figure 3

**MODIFICATION PROCEDURE
BK Board (1-674-568-XX)**

Side B (See Figure 4.)

1. Solder new 1000 pF chip capacitors on top of C176, C376, and C576, respectively.
2. Replace R298, R498, and R698 (22Ω) with new 0Ω chip resistors.

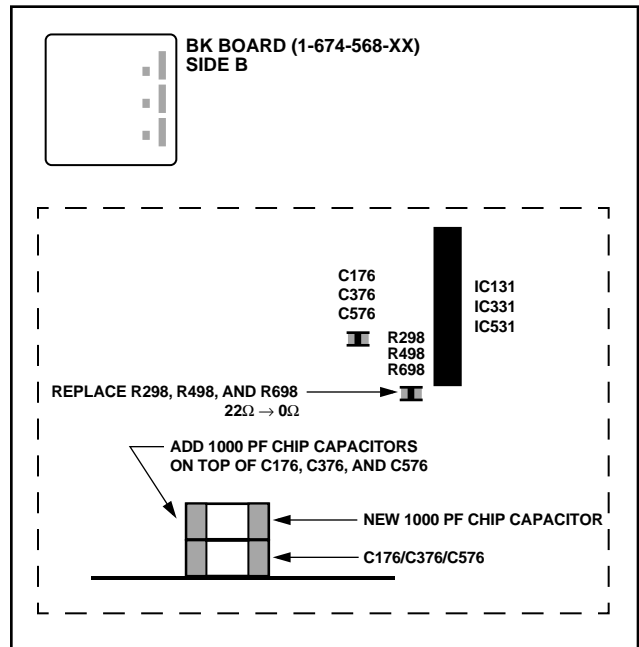


Figure 4

**CONFIRMATION**

1. Feed color bars and confirm that the picture is normal (no noise, no abnormal color).
2. Set to the blue only mode.
3. Reduce BRIGHTNESS control, and confirm that the brightness of the left side of each bar is not elevated..
4. If white vertical lines are observed at the left side of the picture (blanking portion), refer to technical bulletin 302001107.

ORDERING INFORMATION

NOTE: For regional service center and parts ordering information, refer to the following document, which lists all contact telephone numbers:

Technical Bulletin 001999000

Canadian customers: Please order parts from your usual supplier.